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13142 U.S.P.T.O.**UTILITY PATENT APPLICATION TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))Attorney Docket No. 42P13856D  
(maximum 12 characters)First Name Inventor Rahul N. Manepalli et al.Title: AN UNDERFILLING PROCESS IN A MOLDED MATRIX ARRAY PACKAGE USING FLOW FRONT MODIFYING SOLDER RESISTExpress Mail Label No. EV 409 362 175 USADDRESS TO: **Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450****APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  **Fee Transmittal Form (e.g., PTO/SB/17)**  
(Submit an original and a duplicate for fee processing)
2.  **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3.  **Specification (Total Pages 22)**  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  **Drawings(s) (35 USC 113) (Total Sheets 14)**
5.  **Oath or Declaration (Total Pages 12)**
  - a.  Newly Executed (Original or Copy)
  - b.  Copy from a Prior Application (37 CFR 1.63(d))  
(for Continuation/Divisional with Box 18 completed)
    - i.  **DELETIONS OF INVENTOR(S)** Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
    - c.  Unsigned.
6.  **Application Data Sheet. (37 CFR 1.76)**
7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8.  Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b.  Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper

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031356 U.S.P.T.O  
10/774155

c. \_\_\_\_\_ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.            **Assignment Papers (c over sheet & d cum nts(s))**  
10.            a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)  
      X   b. Power of Attorney  
11.            English Translation Document (if applicable)  
12.            a. Information Disclosure Statement (IDS)/PTO-1449 (or PTO/SB/08)  
                 b. Copies of IDS Citations  
13. X **Preliminary Amendment**  
14. X **Return Receipt Postcard (MPEP 503) (Should be specifically itemized)**  
15.            Certified Copy of Priority Document(s) (if foreign priority is claimed)  
16.            **Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.**  
17A. X Other: Formal Drawings Submission

17B. X Pursuant to 37 C.F.R. 1.136(a)(3), applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 C.F.R. 1.16 and 1.17, to Deposit Account No. 02-2666.

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet Under 37 C.F.R. 1.76:

Continuation  Divisional  Continuation-in-part (CIP)  
Of Prior Application No.: 10/287,318 Examiner Ortiz, Angela Y. Group Art Unit 1732  
(which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_,  
which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_) (List entire chain of priority)

**Applicant(s):** Also include a Preliminary Amendment to amend the specification to claim priority.  
**For CONTINUATION AND DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

Name (PRINT/TYPE): Michael A. Bernadicou Registration No.: 35,934  
Signature:  Date: 2/5/04

# FEE TRANSMITTAL FOR FY 2004

(FY 2004 Begins 10/01/2003)

**TOTAL AMOUNT OF PAYMENT (\$)** \$770.00

Complete if Known:

Applicant Name Not yet assigned

Filing Date Herewith

First Named Inventor Rahul N. Manepalli et al.

Examiner Name Not yet assigned

Art Unit Not yet assigned

Attorney Docket No. 42P13856D

Applicant claims small entity status. See 37 CFR 1.27.

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  Other  None

### Deposit Account

Deposit Account Number: 02-2666

Deposit Account Name: \_\_\_\_\_

The Director is Authorized to do the following with respect to the above-identified Deposit Account:

Charge fee(s) indicated below.

Credit any overpayments.

Charge any additional fees during the pendency of this application.

Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.

Charge fee(s) indicated below except for the filing fee.

## FEE CALCULATION

### 1. BASIC FILING FEE

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code	Fee (\$)	Fee Code (\$)	
1001	770	2001 385	Utility application filing fee
1002	340	2002 170	Design application filing fee
1003	530	2003 265	Plant filing fee
1004	770	2004 385	Reissue filing fee
1005	160	2005 80	Provisional application filing fee
<b>SUBTOTAL (1)</b> <u>\$ 770.00</u>			

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	<u>Extra Claims</u>	<u>Fee from below</u>	<u>Fee Paid</u>
Total Claims	<u>11</u>	<u>- 20** = 0</u>	<u>X \$18.00 =</u>
Independent Claims	<u>2</u>	<u>- 3** = 0</u>	<u>X \$86.00 =</u>
Multiple Dependent			<u>\$290.00 =</u>

\*\*Or number previously paid, if greater; For Reissues, see below.

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>
Fee Code	Fee (\$)	
1202	18	2202 9 Claims in excess of 20
1201	86	2201 43 Independent claims in excess of 3
1203	290	2203 145 Multiple dependent claim, if not paid
1204	86	2204 43 **Reissue filing fee for claims over original patent
1205	18	2205 9 **Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2)</b> <u>\$ 0.00</u>		

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee	Fee	Fee	
Code	(\$)	Code	(\$)
1051	130	2051	65
1052	50	2052	25
1053	130	1053	130
1812	2,520	1812	2,520
1813	8,800	1813	8,800
1804	920*	1804	920*
1805	1,840*	1805	1,840*
1251	110	2251	55
1252	420	2252	210
1253	950	2253	475
1254	1,480	2254	740
1255	2,010	2255	1,005
1401	330	2401	165
1402	330	2402	165
1403	290	2403	145
1451	1,510	1451	1,510
1452	110	2452	55
1453	1,330	2453	665
1501	1,330	2501	665
1502	480	2502	240
1503	640	2503	320
1460	130	1460	130
1807	50	1807	50
1806	180	1806	180
8021	40	8021	40
1809	770	2809	385
1814	110	2814	55
1810	770	2810	385
1801	770	2801	385
1802	900	1802	900
1504	300	1504	300
1505	300	1505	300
1803	130	1803	130
1808	130	1808	130
1454	1,330	1454	1,330
		Acceptance of unintentionally delayed claim for priority	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$ 0.00**

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY:**

Typed or Printed Name: Michael A. Bernadicou

Signatur : Michael A. Bernadicou Dat : 2/15/04

R g. Number: 35,934 Telephon Number: (408) 720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Rahul N. Manepalli et al. ) Examiner: Not yet assigned  
Serial No.: Not yet assigned ) Art Unit: Not yet assigned  
Filed: Herewith )  
For: AN UNDERFILLING PROCESS IN A )  
MOLDED MATRIX ARRAY PACKAGE USING )  
FLOW FRONT MODIFYING SOLDER RESIST)  
Which is a Divisional of Application of: )  
Serial No: 10/287,318 )  
Filed: November 4, 2002 )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**FORMAL DRAWINGS SUBMISSION**

Enclosed herewith for submission in the United States Patent and Trademark Office are fourteen (14) sheets of formal drawings for the patent application referenced above.

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"Express Mail" mailing label number: EV 409 362 175 US

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Date of Deposit: February 5, 2004

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to Mail Stop New Patent Application, COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450

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Teresa Edwards

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(Typed or printed name of person mailing paper or fee)

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(Signature of person mailing paper or fee)

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(Date signed)

If there are any further charges please charge them to Deposit Account No. 02-2666. A duplicate of this sheet is enclosed for that purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 2/5, 2004

Michael A. Bernadicou  
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